

Converting Colors

$Y_{xy}(21.3776, 0.5490, 0.4023)$

Have a look what the booklet for
Yxy(21.3776, 0.5490, 0.4023)
contains.

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Color

Yxy(21.3868, 0.5489, 0.4024)

Conversions

Conversions Part 1

Format	Color
Hex	CC6100
RGB	204, 97, 0
RGB Percent	80%, 38%, 0%
CMY	0.2001, 0.6195, 1.0000
CMYK	0.00, 0.52, 1.00, 0.20
HSL	29°, 100%, 40%
HSV	29°, 100%, 80%
XYZ	29.1730, 21.3868, 2.5883
YIQ	117.9350, 94.9090, -7.4830

Conversions

Conversions Part 2

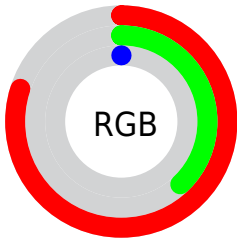
Format	Color
R_YB	204, 185, 0
Decimal	13394176
CIE Lab	53.37, 38.27, 62.10
CIE LCh	53, 72.941, 58.358
Yxy	21.3868, 0.5489, 0.4024
Android (android.graphics.Color)	4291584256 (0xFFCC6100)
YUV	117.9350, -58.1420, 75.4790
Hunter-Lab	46.2459, 31.6718, 29.0537

Details

The Yxy color **21.3868, 0.5489, 0.4024** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.8666, 0.1792, 0.1649**, and the grayscale version is **18.2606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1251, 0.4972, 0.4052**, and **7.7838, 0.5847, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **21.3881, 0.5489, 0.4024**, and if you desaturate by 10%, it is **23.5524, 0.5276, 0.4093**.

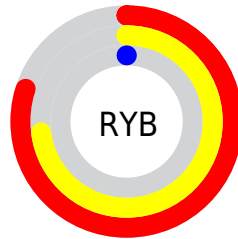
Distribution



Red (80%)

Green (38%)

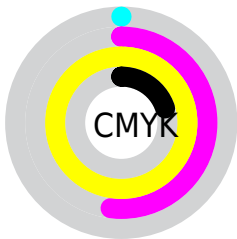
Blue (0%)



Red (80%)

Yellow (73%)

Blue (0%)

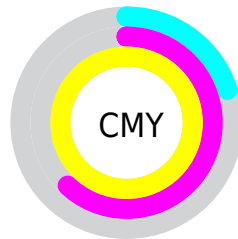


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3868, 0.5489, 0.4024 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.3868, 0.5489, 0.4024 by changing the saturation by 10% instead.


 21.3868, 0.5489,
0.4024


 21.3868, 0.5489,
0.4024


259.3270, 0.4263,
0.3812


 13.4070, 0.5752,
0.3984


 45.7304, 0.5062,
0.4009


 7.7094, 0.6095,
0.3905


 62.8630, 0.4893,
0.3983


 3.9096, 0.6363,
0.3637

 83.8154, 0.4748,
0.3953

 1.6231, 0.6773,
0.3227

 108.9719, 0.4623,
0.3922

 0.3731, 0.7863,
0.2137

 138.7169, 0.4515,
0.3893


 0.0000, 1.0000,
0.0000


 173.4348, 0.4420,


 0.0000, 0.0000,


0.3864

0.0000


 213.5101, 0.4337,
0.3837


 21.3868, 0.5489,
0.4024


 21.3868, 0.5489,
0.4024

 21.3881, 0.5489,
0.4024

 23.5524, 0.5276,
0.4093

 26.0480, 0.5027,
0.4115

 28.9033, 0.4750,
0.4085

 32.1374, 0.4463,
0.4012

 35.7674, 0.4184,
0.3909

■ 39.8089, 0.3922,
0.3789

■ 44.2767, 0.3685,
0.3661

■ 49.1845, 0.3474,
0.3532

■ 54.5453, 0.3289,
0.3408

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.3868, 0.5506, 0.3232



21.3868, 0.5489, 0.4024



21.3868, 0.4768, 0.4913

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.3868, 0.5489, 0.4024



21.3868, 0.1682, 0.4092



21.3868, 0.2106, 0.1595

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.3868, 0.5489, 0.4024



14.8666, 0.1792, 0.1649

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.3868, 0.1438, 0.1545



21.3868, 0.5489, 0.4024



21.3868, 0.1213, 0.2634

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.3868, 0.5489, 0.4024



21.3868, 0.2604, 0.5509



21.3868, 0.1157, 0.1836



21.3868, 0.3233, 0.1931

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.3868, 0.5489, 0.4024



21.3868, 0.4088, 0.5467



21.3868, 0.1157, 0.1836



21.3868, 0.1834, 0.1545

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.3881, 0.5489, 0.4024



73.0371, 0.3694, 0.3666



13.9347, 0.4831, 0.2435



14.9402, 0.3793, 0.3721



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3881, 0.5489, 0.4024



35.0041, 0.5509, 0.4008



52.8511, 0.4253, 0.5005



12.0791, 0.3278, 0.3401



13.6482, 0.5466, 0.4042



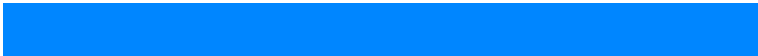
0.8557, 0.5154, 0.4290

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.8666, 0.1792, 0.1649



24.1915, 0.1786, 0.1628



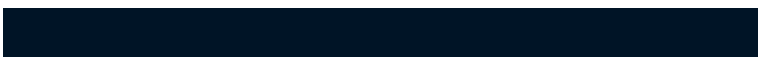
4.5064, 0.1505, 0.0618



11.8012, 0.2983, 0.3177



9.5466, 0.1798, 0.1673



0.6439, 0.1893, 0.2015

Previews

White Background



This preview shows how the Yxy color 21.3868, 0.5489, 0.4024 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 21.3868, 0.5489, 0.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3868, 0.5489, 0.4024

Background



This preview shows how black text looks on a background with the Yxy color 21.3868, 0.5489, 0.4024.



This preview shows how white text looks on a background with the Yxy color 21.3868, 0.5489, 0.4024.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.3868, 0.5489, 0.4024

Protanopia

21.4113, 0.4351, 0.4819

Deuteranopia

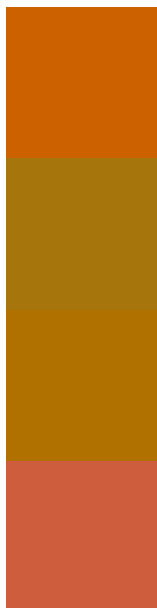
21.6004, 0.4703, 0.4648



Tritanopia

21.4223, 0.4739, 0.3223

Trichromacy



Original Color

21.3868, 0.5489, 0.4024

Protanomaly

20.8537, 0.4796, 0.4516

Deuteranomaly

21.1574, 0.5006, 0.4407

Tritanomaly

21.2874, 0.5170, 0.3643

Monochromacy



Original Color

21.3868, 0.5489, 0.4024

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0494, 0.4145, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3868, 0.5489, 0.4024 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 97, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.3868, 0.5489, 0.4024 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 97, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 97, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 97, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3868, 0.5489, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 97, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204, 97,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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